

Fig. 1

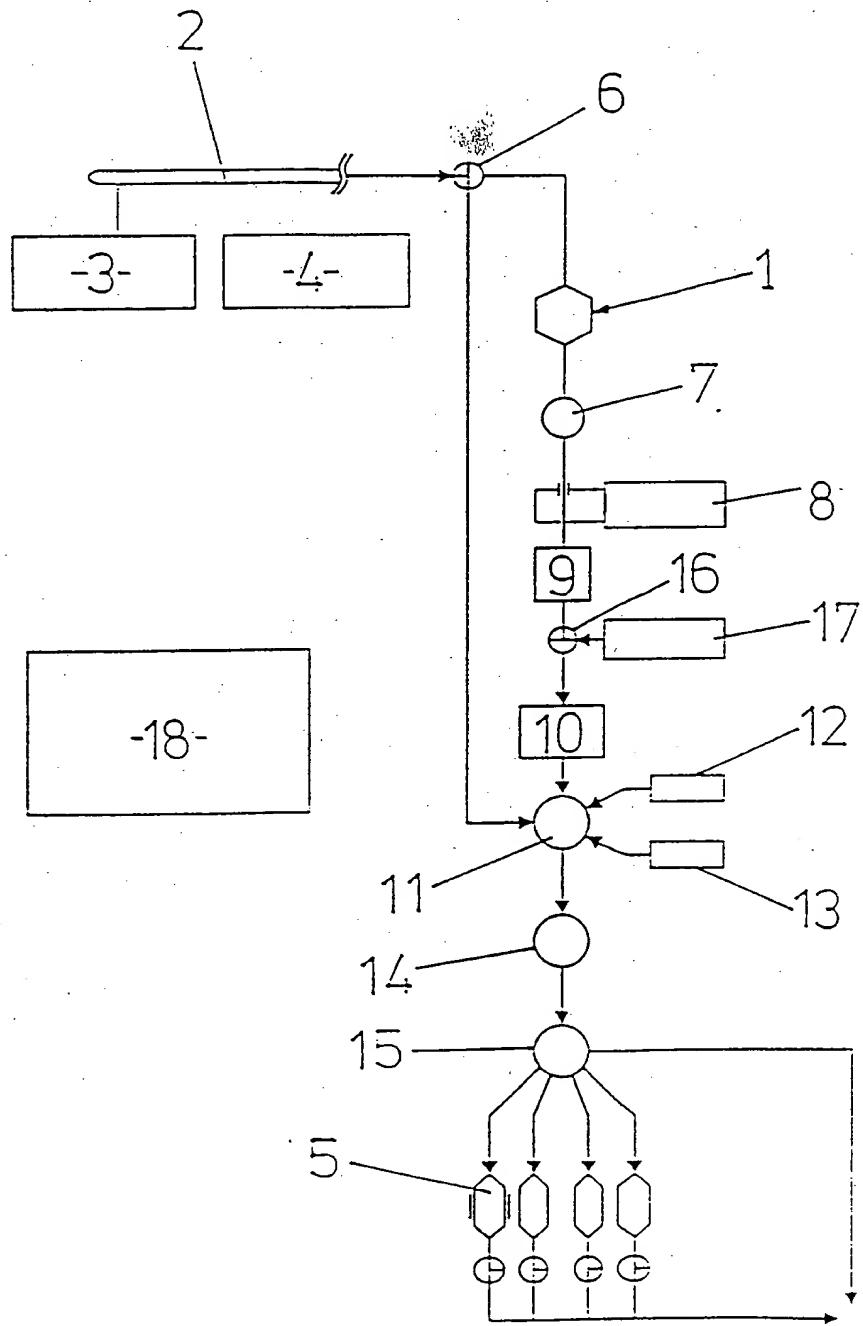
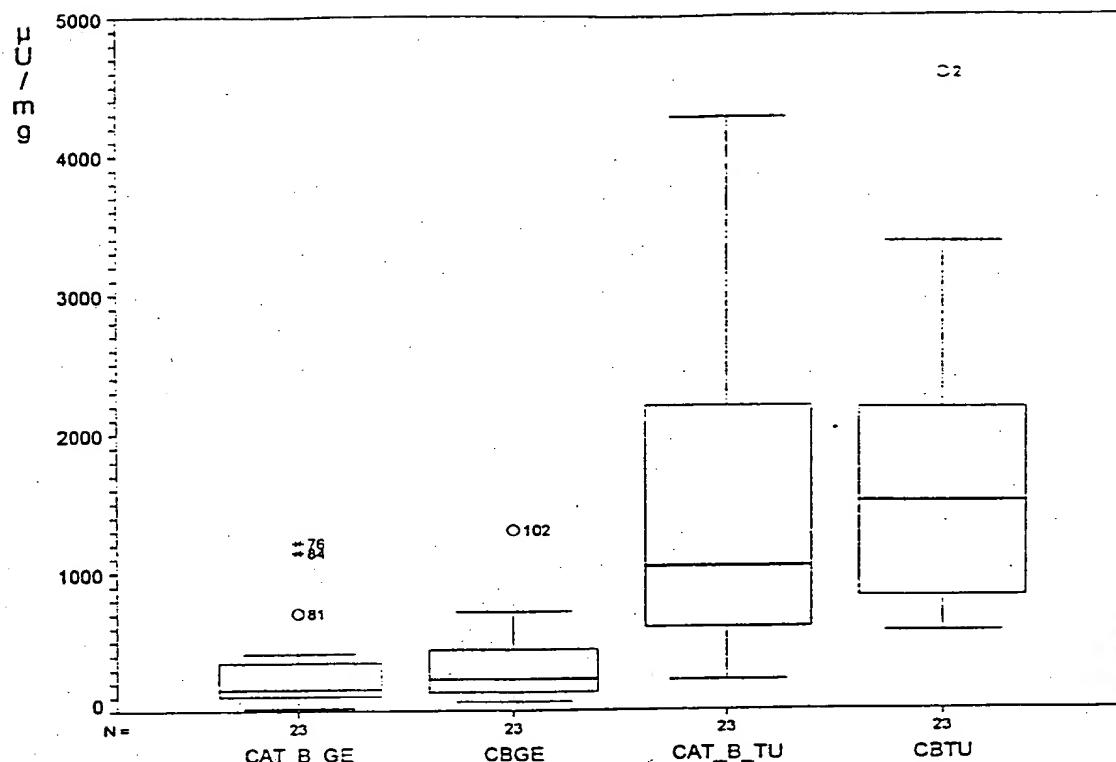


Fig. 2 Activity of cathepsin B



LEGEND: CAT\_B\_GE: Activity of cathepsin B of healthy lung tissue before withdrawing the inhibitor.

CAT\_B\_TU: Activity of cathepsin B of tissue, showing a tumor in the lung, before withdrawing the inhibitor.

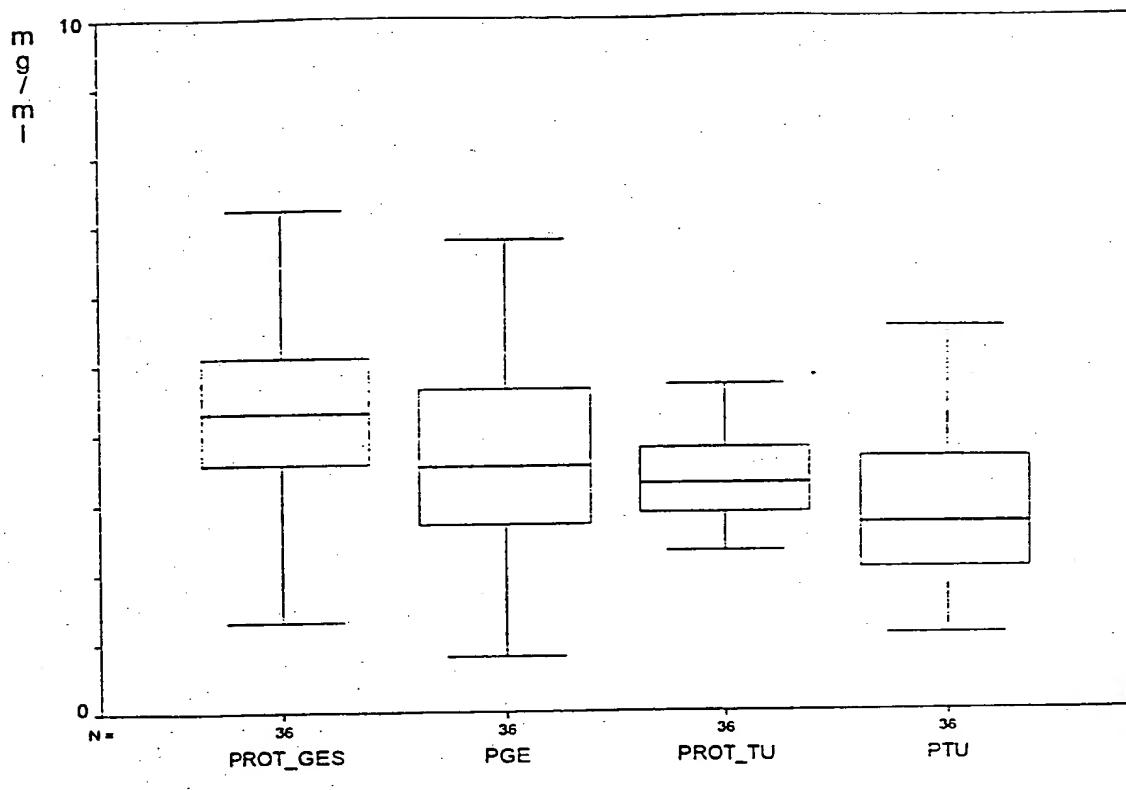
CBGE: Activity of cathepsin B of healthy lung tissue after withdrawing the inhibitor.

CBTU: Activity of cathepsin B of tissue, showing a tumor in the lung, after withdrawing the inhibitor.

N: Case number.

Y-axis: activity in  $\mu\text{U}/\text{mg protein}$ .

Fig. 3 Amount of protein



LEGEND: PROT\_GES: Amount of protein of healthy lung tissue before withdrawing the inhibitor.

PROT\_TU: Amount of protein of tissue, showing a tumor in the lung, before withdrawing the inhibitor.

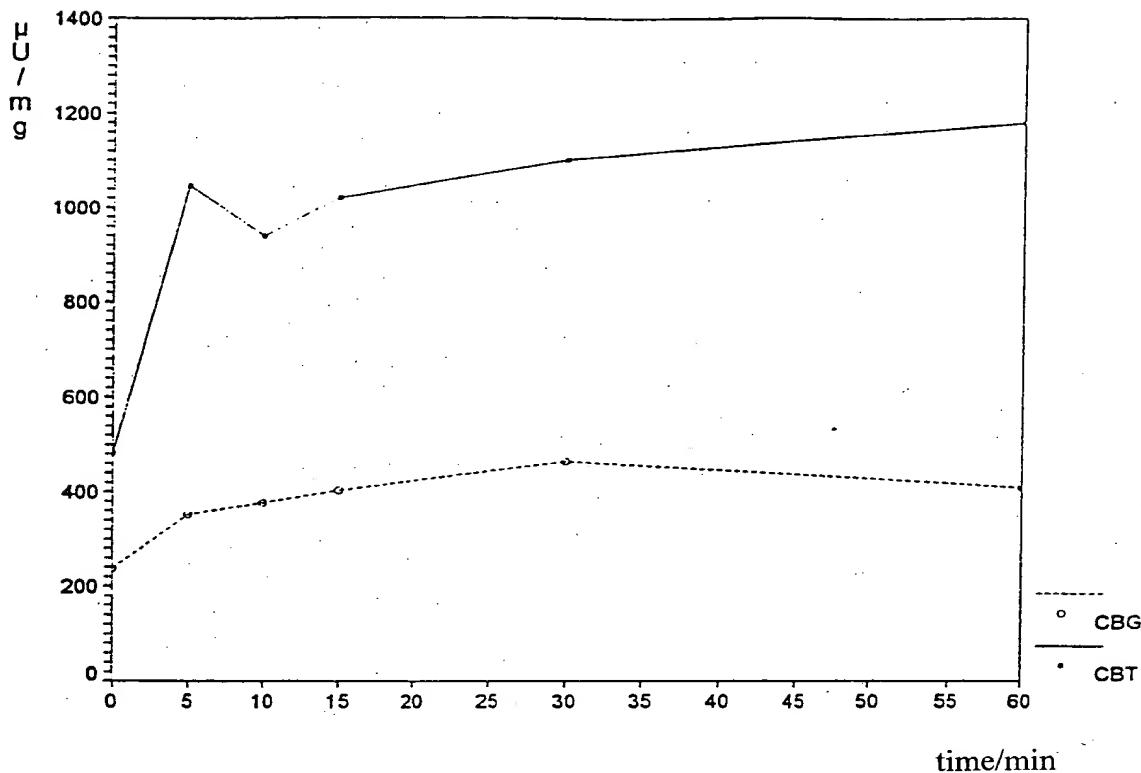
PGE: Amount of protein of healthy lung tissue after withdrawing the inhibitor.

PTU: Amount of protein of tissue, showing a tumor in the lung, after withdrawing the inhibitor.

N: Case number.

Y-axis: Amount of protein in mg/ml.

Fig. 4 Activity of cathepsin B



LEGEND: CBG:

Activity of cathepsin B of healthy lung tissue  
before and after withdrawing the inhibitor.

CBT:

Activity of cathepsin B of tissue, showing a tumor in the lung,  
before and after withdrawing the inhibitor.

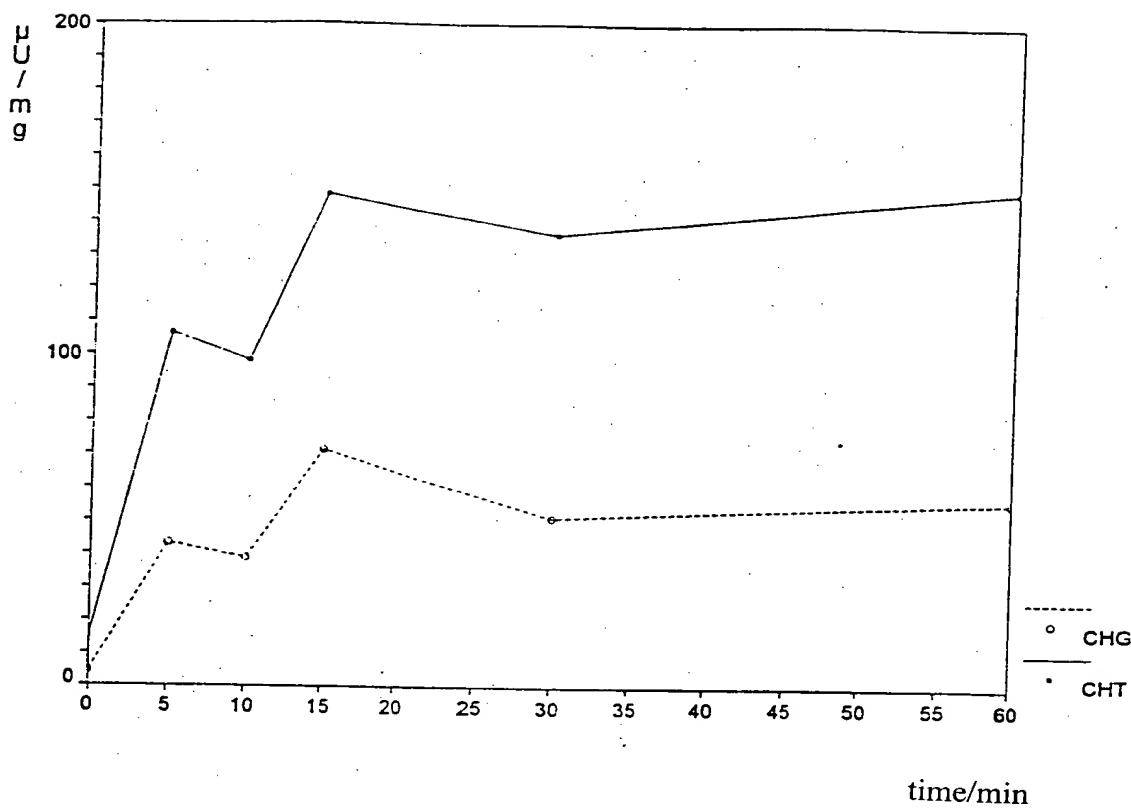
X-axis:

Time in minutes; 0 min refers to the state before and the  
other values to the state after withdrawing the inhibitor.

Y-axis:

activity in  $\mu$ U/mg protein.

Fig. 5 Activity of cathepsin H



LEGEND: CHG:

Activity of cathepsin H of healthy lung tissue  
before and after withdrawing the inhibitor.

CHT:

Activity of cathepsin H of tissue, showing a tumor in the lung,  
before and after withdrawing the inhibitor.

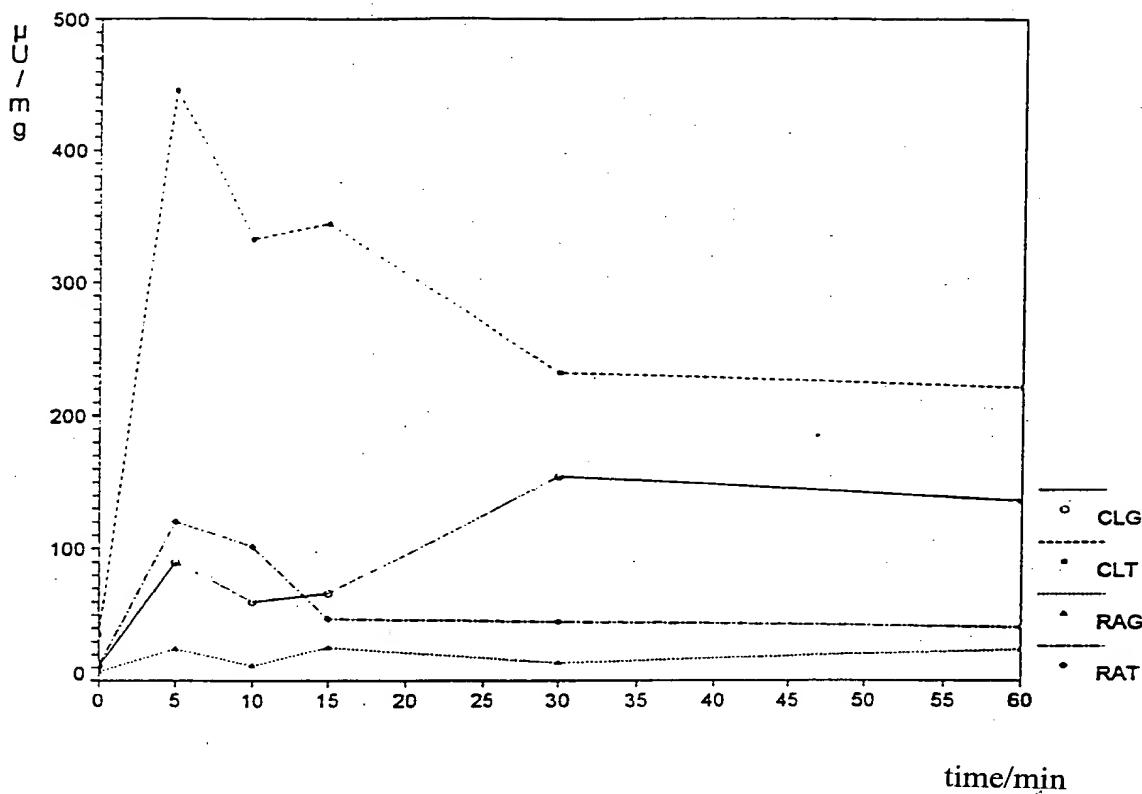
X-axis:

Time in minutes; 0 min refers to the state before and the other  
values to the state after withdrawing the inhibitor.

Y-axis:

activity in  $\mu$ U/mg protein.

Fig. 6 Activity of cathepsin L



LEGEND: CLG:

Activity of cathepsin H of healthy lung tissue before and after withdrawing the inhibitor.

CLT:

Activity of cathepsin H of tissue, showing a tumor in the lung, before and after withdrawing the inhibitor.

RAG:

Remaining activity of CLG after adding of a specific inhibitor for cysteine proteinases (E64).

RAT:

Remaining activity of CLT after adding of E64.

X-axis:

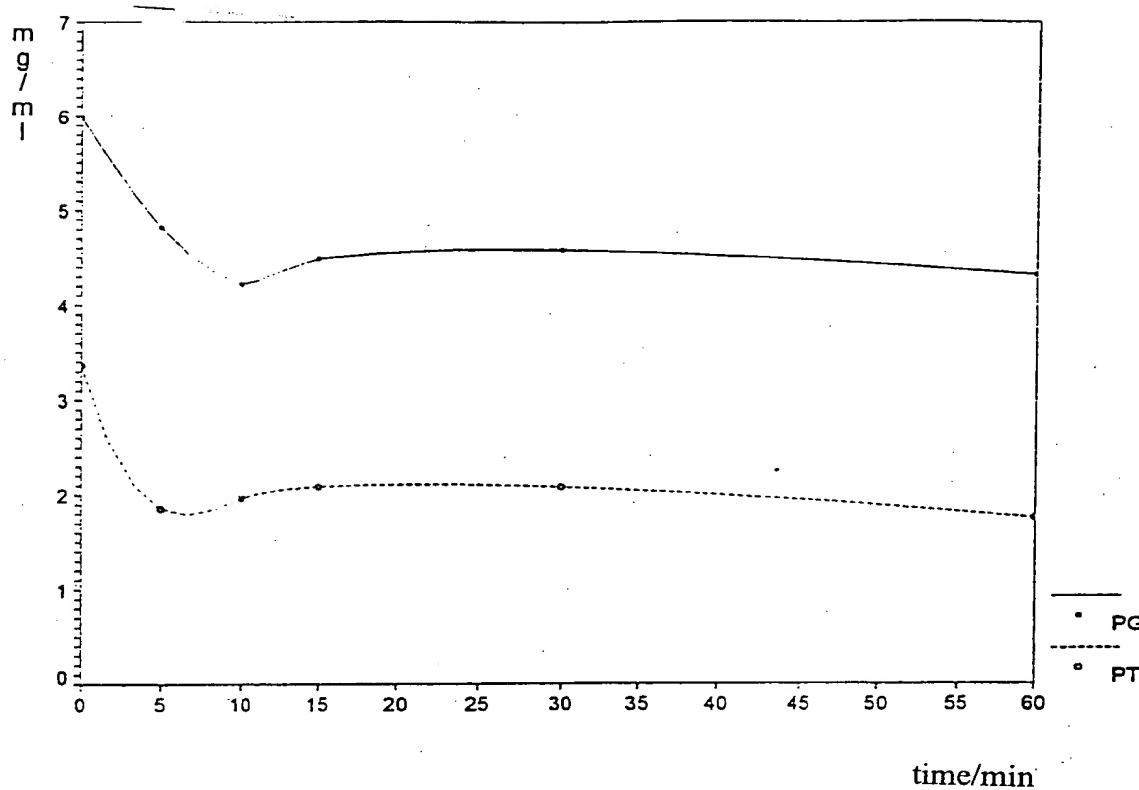
Time in minutes; 0 min refers to the state before and the other values to the state after withdrawing the inhibitor.

Y-axis:

activity in  $\mu$ U/mg protein.

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Fig. 7 Amount of protein



LEGEND: PG: Amount of protein of healthy lung tissue before and after withdrawing the inhibitor.

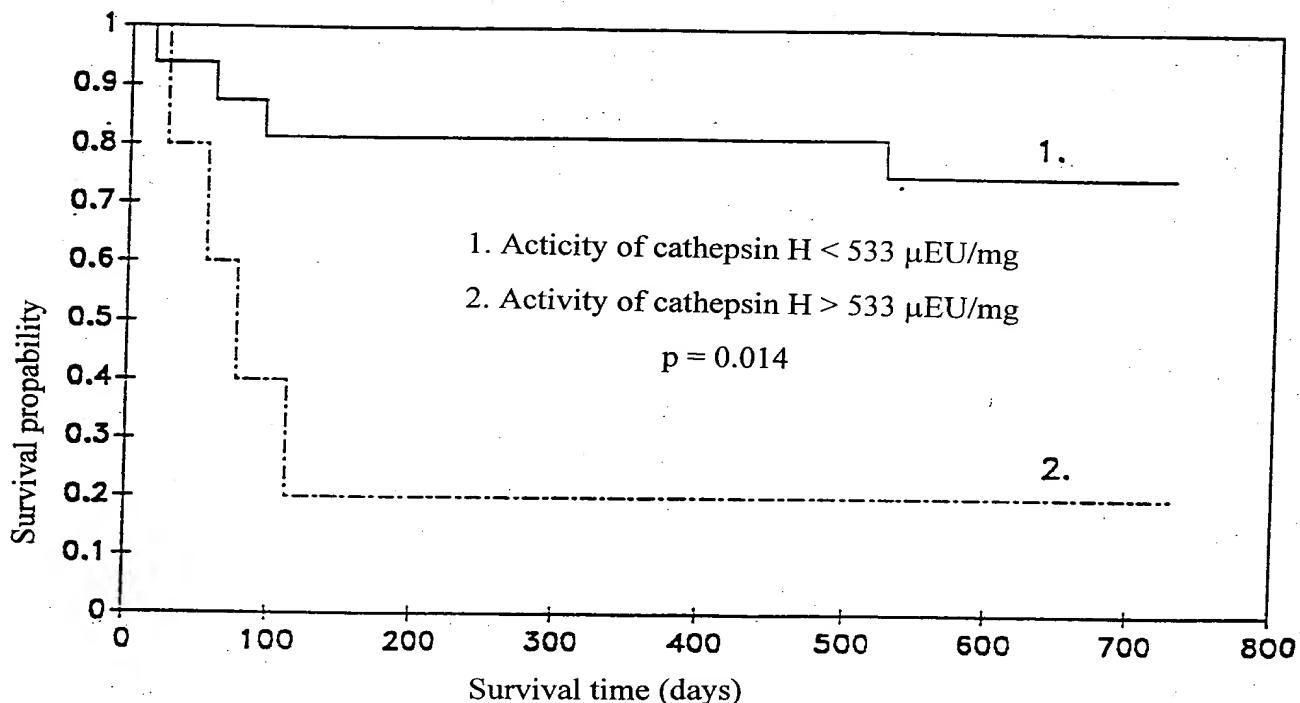
PT: Amount of protein of tissue, showing a tumor in the lung, before and after withdrawing the inhibitor.

X-axis: Time in minutes; 0 min refers to the state before and the other values to the state after withdrawing the inhibitor.

Y-axis: Amount of protein in mg/ml.

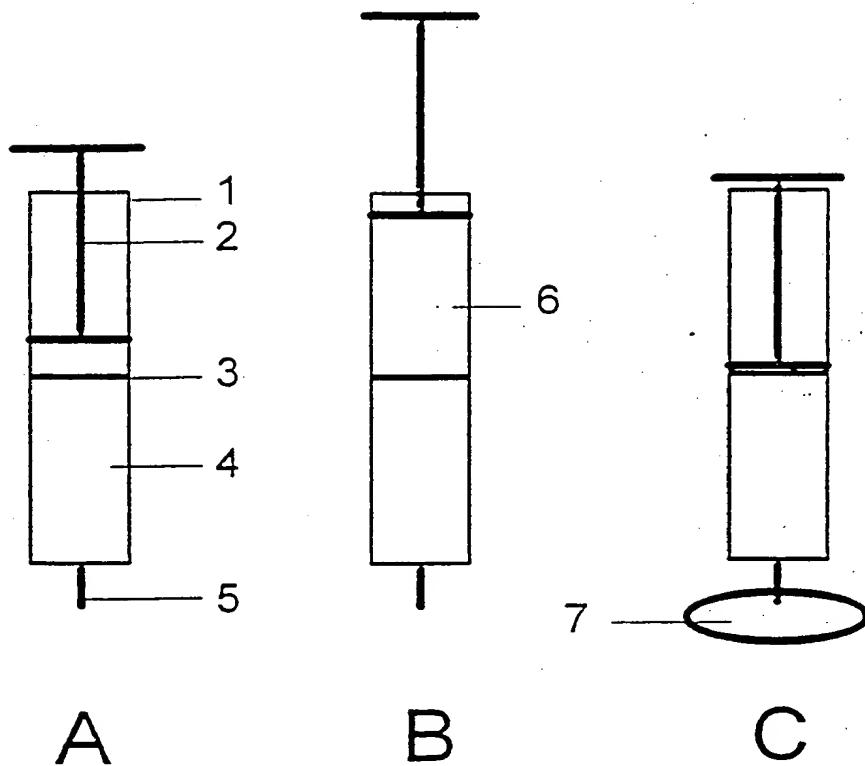
**FIG. 8**

Kaplan-Meier Graph (Survival-Graph)



**FIG. 9**

Device for a quick test

**LEGEND:**

- A: State before use
- B: State after sucking in the sample
- C: State after filling in the sample in the reaction vessel

- 1: Syringe
- 2: Plunger
- 3: Microfilter
- 4: Chromatographic carrier with enzyme coupled to it
- 5: Aperture of the syringe for filling in and discharging the sample, provided with a microfilter
- 6: Space filled with liquid
- 7: Reaction vessel